

Department of Rural Technology and Social Development
School of Studies in Interdisciplinary Education and Research,
B.Sc. Hon's (Syllabus Scheme as par LOCF) 2021-22

Semester	Course Opted	Course Code	Name of the course	Credit	Hour / week
I	Core-1	RTUATC1	Organic Manure Production Techniques	4	4
	Core -1 Practical	RTUALC1	Laboratory Course based on theory	1	2
	Core -2	RTUATC2	Elementary Biology	4	4
	Core -2 Practical	RTUALC2	Laboratory Course based on theory	1	2
	Generic Elective -1	RTUATG1	Soil and Fertilizers	4	4
	Generic Elective - Practical	RTUALG1	Laboratory Course based on theory	1	2
	Ability Enhancement Compulsory Course		English Communication / MIL (Hindi Communication)	2*	3
	ECA	RTUAPS1	ECA-Extra-curricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhhta/ Vocational Training/ Sports/ others	2	2
			TOTAL	19	23
II	Core-3	RTUBTC1	Microbial Technology	4	4
	Core -3 Practical	RTUBLC1	Laboratory Course based on theory	1	2
	Core -4	RTUBTC2	Dairy Management and Products	4	4
	Core -4 Practical	RTUBLC2	Laboratory Course based on theory	1	2
	Generic Elective -2 (GE-IB)	RTUBTG1	Plant Propagation and Nursery Management	4	4
	Generic Elective - Practical	RTUBLG1	Laboratory Course based on theory	1	2
	Ability Enhancement Compulsory Course (AECC)		Environmental Science	2*	3
	ECA	RTUBPS1	ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhhta / vocational Training/ Sports/ others	2**	2**
			TOTAL	17+2**	21+2**
SUMMER Internship: 15 days			Swayam Swachhhta / NSS / Industrial/ others	2	100

Semester	Course Opted	Course Code	Name of the course	Credit	Hour / week
III	Core-5	RTUCTC1	Sericulture	4	4
	Core -5 Practical	RTUCLC1	Laboratory Course based on theory	1	2
	Core -6	RTUCTC2	Basics of Mushroom Production	4	4
	Core -6 Practical	RTUCLC2	Laboratory Course based on theory	1	2
	Core - 7	RTUCTC3	Aquaculture	4	4
	Core – 7 Practical	RTUCLC3	Laboratory Course based on theory	1	2
	Generic Elective -3 (GEII-A)	RTUCTG1	Integrated Pest Management	4	4
	Generic Elective - Practical	RTUCLG1	Laboratory Course based on theory	1	2
	Skill Enhancement Course (SEC - 1)	RTUCTA1	Horticulture and Landscaping	2	2
	Skill Enhancement Course (SEC - 1)	RTUCLA1	Laboratory Course based on theory	2	4
			TOTAL	24	30
IV	Core-8	RTUDTC1	Rural Social Structure and Planning	4	4
	Core -8 Practical	RTUDLC1	Laboratory Course based on theory	1	2
	Core -9	RTUDTC2	Poultry Production Techniques	4	4
	Core -9 Practical	RTUDLC2	Laboratory Course based on theory	1	2
	Core - 10	RTUDTC3	Plant Morphology and Reproduction	4	4
	Core -10 Practical	RTUDLC3	Laboratory Course based on theory	1	2
	Generic Elective -4 (GEII-B)	RTUDTG1	Economic Botany	4	4
	Generic Elective - Practical	RTUDLG1	Laboratory Course based on theory	1	2
	Skill Enhancement Course (SEC -2)	RTUDTA1	Herbal Production Techniques	2	2
	Skill Enhancement Course (SEC -2)	RTUDLA1	Laboratory Course based on theory	2	4
			TOTAL	24	30
SUMMER Internship: 15 days			Swayam/ Swachchhta / NSS / Industrial/ others	2	100

Semester	Course Opted	Course Code	Name of the course	Credit	Hour / week
V	Core-11	RTUETC1	Land Surveying, Leveling and Drawing	4	4
	Core -11 Practical	RTUELC1	Laboratory Course based on theory	1	2
	Core -12	RTUETC2	Building Construction Material and Rural Infrastructure	4	4
	Core -12 Practical	RTUELC2	Laboratory Course based on theory	1	2
	Discipline Specific Elective-1A	RTUETD1	Goat and Pig Production Techniques	4	4
	Practical	RTUELD1	Laboratory Course based on theory	1	2
	OR				
	Discipline Specific Elective-1B	RTUETD2	Rural Entrepreneurship and Management	4	4
	Practical	RTUELD2	Laboratory Course based on theory	1	2
	Discipline Specific Elective-2A	RTUETD3	Natural Product Management	4	4
	DSE-2 - Practical	RTUELD3	Laboratory Course based on theory	1	2
	OR				
	Discipline Specific Elective-2B	RTUETD4	Agricultural Equipments and Crop Production	4	4
	DSE-2 - Practical	RTUELD4	Laboratory Course based on theory	1	2
		TOTAL	20	24	
VI	Core-13	RTUFTC1	Introduction to Remote Sensing	4	4
	Core -13 Practical	RTUFLC1	Laboratory Course based on theory	1	2
	Core -14	RTUFTC2	Introduction to Medicinal Plants	4	4
	Core -14 Practical	RTUFLC2	Laboratory Course based on theory	1	2
	Discipline Specific Elective -3A	RTUFTD1	Rural Energy Resources	4	4
	DSE - 3A Practical	RTUFLD1	Laboratory Course based on theory	1	2
	OR				
	Discipline Specific Elective -3B	RTUFTD2	Watershed Management	4	4
	DSE - 3BPractical	RTUFLD2	Laboratory Course based on theory	1	2
	Any two from DSE4/5/6				
	Discipline Specific Elective-4*	RTUFTD3	Rural Health Care	4	4
	DSE-4* Practicals	RTUFLD3	Laboratory Course based on theory	1	2

	Discipline Specific Elective-5*	RTUFTD4	Organic Farming	4	4
	DSE-5* Practicals	RTUFLD4	Laboratory Course based on theory	1	2
	Discipline Specific Elective-6*	RTUFTD5	Indigenous Arts and Crafts	4	4
	DSE-6* Practicals	RTUFLD5	Laboratory Course based on theory	1	2
	OR				
	Dissertation/ Internship/ Project work followed by seminar	RTUFDF6	Seminar of dissertation/project, presentation of internship work	10	12
			TOTAL	25	30
			TOTAL CREDITS	129+2**+4	

As per UGC CBCS guidelines, University / departments have liberty to offer GE and SEC courses offered by any department to students of other departments. The No. of GE course is four. One GE course is compulsory in first 4 semesters each. In present scheme it is proposed to have minimum two GE courses (from one subject) in first two semester after which student shall change two GE for another subject in IIIrd and IVth semester, so that the student can have exposure of one additional subject. In VI semester students any choose any two course from DSE 4,5 and 6 or may choose the dissertation/Internship/project work. Student may opt (**Subject to approval by the competent authority**)

Distribution of different types of courses with their credits for B.Sc. (Rural Technology)

Semester	Core Courses (CC) Note: 14 CC are available. All courses are compulsory Practical=14 5 credits each (4+1)	Ability Enhancement Electives (AEC) (2x2=4) Note: Two AEC are available. Both are compulsory 2 credits each	Skill Enhancement Electives (SEC) (4x2=8) Note: 02 SEC are available. Both are compulsory Practical= 2 4 credits each	Discipline Specific Elective (DSE) (5x5=25) Note: 9 DSE are available. Choose any 5 Practical=5 5 credits each	Generic Elective (GEC) (4x4=16) Note: 4 GEC are available. 4 credits each	ECA (Extra-curricular activity) /Seminar/Project/ group discussion Credit each 2 Credit Each ECA	10 Credit for Dissertation/ project each	Credit hour load
1.	RTUATC1 RTUATC2	AECC			RTUATG1	RTUAPS1		
2.	RTUBTC1 RTUBTC2	AECC			RTUBTG1	RTUBPS1 Swayam Swachhhta / NSS / Industrial/ others		
3.	RTUCTC1 RTUCTC2 RTUCTC3		RTUCTA1		RTUCTG1			
4.	RTUDTC1 RTUDTC2 RTUDTC3		RTUDTA1		RTUDTG1			
5.	RTUETC1 RTUETC2			RTUETD1 RTUETD2 RTUETD3 RTUETD4				
6.	RTUFTC1 RTUFTC2			RTUFTD1 RTUFTD2 RTUFTD3 RTUFTD4 RTUFTD5			RTUFTF4*	
Credits	70	04	08	25	20	4	10*	131
% Courses	53.43	3.05	6.10	19.08	15.26	3.05	10.63	100

Course Structure at a Glance

1. Core Courses

Sr. No	Name of the course	Type of course	L	T	P	Credits
1.	Organic Manure Production Techniques	Core course	4	0	1	5
2	Elementary Biology	Core course	4	0	1	5
3.	Microbial Technology	Core course	4	0	1	5
4.	Dairy Management and Products	Core course	4	0	1	5
5	Sericulture	Core course	4	0	1	5
6	Mushroom Production Techniques	Core course	4	0	1	5
7	Aquaculture	Core course	4	0	1	5
8	Rural Social Structure and Planning	Core course	4	0	1	5
9.	Poultry Production Techniques	Core course	4	0	1	5
10	Plant Morphology and Plant Reproduction	Core course	4	0	1	5
11	Land Surveying, Leveling and Drawing	Core course	4	0	1	5
12	Building Construction Material and Rural Infrastructure	Core course	4	0	1	5
13	Introduction to Remote Sensing	Core course	4	0	1	5
14	Introduction to Medicinal Plants	Core course	4	0	1	5
						70

2. Discipline Specific Elective Course

Sr. No.	Name of the course	Type of course	L	T	P	Credits
1	Goat and Pig Production Techniques	Discipline Specific Elective Course	4	0	1	5
	OR					
2	Rural Entrepreneurship and Management	Discipline Specific Elective Course	4	0	1	5
3	Natural Product Management	Discipline Specific Elective Course	4	0	1	
	OR					
4	Agricultural Equipments and Crop Production	Discipline Specific Elective Course	4	0	1	5
5	Rural Energy Resources	Discipline Specific Elective Course	4	0	1	
	OR					
6	Watershed Management	Discipline Specific Elective Course	4	0	1	5+5
	Any two from three					
7	Rural Health Care	Discipline Specific Elective Course	4	0	1	
8	Organic Farming	Discipline Specific Elective Course	4	0	1	
9	Indigenous Arts and Crafts	Discipline Specific Elective Course	4	0	1	
	OR					
10	Dissertation/project each					10
						25

3. Generic Elective Courses

Sr. No.	Name of the course	Type of course	L	T	P	Credits
1	Soil and Fertilizers	Generic Elective Courses	4	0	1	5
2	Plant Propagation and Nursery Management	Generic Elective Courses	4	0	1	5
3	Integrated Pest Management	Generic Elective Courses	4	0	1	5
4	Economic Botany	Generic Elective Courses	4	0	1	5
						20

4. Ability Enhancement Courses

Sr. No.	Name of the course	Type of course	L	T	P	Credits
1	English Communication / MIL (Hindi Communication)	Ability Enhancement Courses	2	0	0	2
2	Environmental Science	Ability Enhancement Courses	2	0	0	2
						04

5. Skill Enhancement Courses

Sr. No.	Name of the course	Type of course	L	T	P	Credits
1	Horticulture and Landscaping	Skill Enhancement Courses	2	0	2	4
2	Herbal Production Techniques	Skill Enhancement Courses	2	0	2	4
						08

6. ECA

Sr. No.	Name of the course	Type of course	L	T	P	Credits
1	ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachchhta / vocational Training/ Sports/ others					2
2	ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachchhta / vocational Training/ Sports/ others					2
						4
	Total= (70+25+20+4+8+4)					131